

ABSTRACT OF THE DISCLOSURE

In a receiver or the like for providing each of a plurality of antennas with a receive weight, thereby controlling receive directivity of the antennas as a whole, and receiving a signal transmitted from a mobile station device serving as an opposite party of communication, it is desired to calculate weights fast. For that purpose, an arrival direction and/or power of a signal from a mobile station device is detected. A solution of a receive weight control method is calculated as receive weights of respective antennas, based on a result of the detection, under such a condition that a received quality of a signal transmitted from a mobile station device serving as an opposite party of communication becomes favorable. By using the calculated receive weights, the signal is received.